

In the United States Patent and Trademark Office

Application No.: Not yet assigned)	Filing Date: <u>August 21, 2003</u>
)	
Title: DUAL PATH EGR SYSTEM AND METHODS)	
)	
Applicant: Steven Don Arnold)	Attorney Docket No.: H0004513
)	
Examiner: Not yet assigned)	Art Unit: Not yet assigned

Petition to Make Special Under 37 C.F.R. 1.102(c)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Hon. Commissioner,

This petition is filed pursuant to 37 C.F.R. 1.102(c) concurrently with the above referenced patent application as an invention that will materially enhance the quality of the environment and materially contribute to the conservation of energy resources.

The present invention is directed to use in vehicle engine systems that utilize exhaust gas recirculation (EGR). EGR is a known method for reducing NOx emissions in internal combustion engines, particularly diesel engines. For effective use, an EGR system must be matched to the engine load setting and environmental conditions. Known high pressure loop EGR and low pressure loop EGR both suffer from certain drawbacks. For example, high pressure loop EGR systems at low engine load settings experience a significant fuel consumption penalty. Conversely, at high power or load settings low pressure loop EGR incurs a very large fuel penalty.

Certification under 37 C.F.R. §1.10
This correspondence is being filed by Express mail addressed to
Commissioner for Patents, Alexandria, VA22313
on Date: August 21, 2003
Express Mail No.: EA 932023430 US

By: [Signature]
Shawn W. Wilson

The present invention is directed to an EGR system, and methods for such systems, which combine the benefits of both high pressure loop EGR and low pressure loop EGR while avoid the associated drawbacks. The present invention provides optimal fuel and emissions controls over a wide range of power or load settings. Applicant therefore respectfully petitions that this application be made special for advancement of examination.

Respectfully submitted,



Date: Aug. 21, 2003

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